NRCS
Natural Resources Conservation Service

CSP JOB SHEET

Atmospheric Resource Quality Management-1

ENHANCEMENT: Trap strips during critical wind erosion periods.

BENEFITS

MAJOR BENEFITS:

- Reduce airborne soil particles.
- Reduce soil losses.
- Reduce soil deposition in ditches, roadways, farm paths, field borders, and other similar areas.
- Improve early crop growth by reducing sandblast injury to crops, especially young seedlings.
- Improved highway safety by reduced visibility problems associated with dust storms.
- Early crop growth improvements by reducing soil temperature reductions and seeding injury caused by wind action.
- Relay of beneficial insects from the cover crop plants to the crop plants.

CRITERIA

To be eligible for this enhancement payment, fields must meet the following criteria.

- Select a plant species which has the capability to reach a height of one foot by no later than March 15. Planting must be no later than November 15 for small grains nor later than October 31 for legume or grain/legume mixture.
- Plants are to be allowed to reach full height and maturity.
- Minimum width of the wind-retarding plant is to be 2 feet.
- Maximum width of row crop between strips is determined by ground cover and direction relative to wind direction as follows: (min. deviation in 30 degrees)

Soil Surface Condition	Row direction deviation in degrees from wind direction		
	30-45	45-60	60-90
Conv. Cult., less than 25% ground cover	30 ft.	40 ft.	50 ft.
25 to 50% ground cover	40 ft.	60 ft.	80 ft.
50 to 80% ground cover	60 ft.	80 ft.	100 ft.
80% cover or more	80 ft.	100 ft.	120 ft.

Note: Row crop width may vary by as much as 10% to adjust for row width, equipment, field conditions already protected (by woods, windbreaks), etc.

RECORDKEEPING

In order to verify performance with these criteria, you must complete the following records.

Field	Year/Crop/Strip Crop	Degrees deviation from wind	Tillage Practice	Percent Ground Cover	Width of Crop Strip	Date Checked
Ex. 1-5	2005/cotton/rye	75	No-till	85%	120 ft.	5/20/05